

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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FEB 25 2004

Applicants : Mimberg, et al.

Serial No. : 10/078,292

Examiner: Sun, X.

Filed : 2/15/02

Group Art Unit: 2863

For : A METHOD AND SYSTEM FOR DYNAMIC POWER SUPPLY  
VOLTAGE ADJUSTMENT FOR A SEMICONDUCTOR  
INTEGRATED CIRCUIT DEVICE

DECLARATION OF PRIOR INVENTION IN THE UNITED STATES TO  
OVERCOME CITED PATENT OR A PUBLICATION (37 C.F.R. § 1.131)

Commissioner for Patents & Trademarks  
Washington, D.C. 20231

Sir:

We, Ludger Mimberg, Barry Wagner, and Mau Lao, are the inventors of the above-identified patent application. The declaration made hereof is to establish completion of the invention in this patent application in the United States, at a date prior to Jan. 23, 2001, that is the filing date of U.S. Pub. No. 20020113622, "SPATIALLY FILTERED DATA BUS DRIVERS AND RECEIVERS AND METHOD OF OPERATING SAME" (hereafter Tang) which was recently cited by the U.S. Patent Examiner in prosecution of the present Application.

Below stated are the activities regarding the date on which the invention in the present Application was conceived and the date on which the invention was reduced to practice.

Conception Date

The present invention was conceived at least as early as 1/3/01 which was the date of at which at least one version of the invention was "sent to NVIDIA intern via email" for use with at least one version of "NVIDIA NV-20". A copy of two pages of an invention disclosure document is offered as Exhibit A.

Reduction to Practice Date

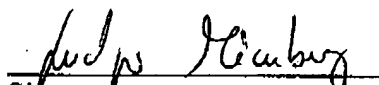
The present invention was reduced to practice on or before 2/15/02, which is the filing date of the present patent application, Serial No. 10/078,292.

Diligence

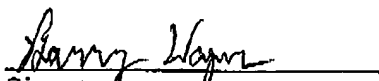
Applicants were diligent, from the time of conception, to a time just prior to the date of the Tang publication, up to the filing date of the present patent application Serial No. 10/078,292.

Declaration


As the below signed inventors, we hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application of any patent issued thereon.

Dated: 02/13/2004  
Signature

Full Name: Ludger Mimberg  
Citizenship: German  
Residence: 3055 Silver Estates,  
San Jose, CA 95135

Dated: 2/17/2004  
Signature

Full Name: Barry Wagner  
Citizenship: USA  
Residence: 1720 Morning Glory Lane,  
San Jose, CA 95124

Dated: 02/13/2004  
Signature

Full Name: Mau Lao  
Citizenship: USA  
Residence: 6905 Serenity Way,  
San Jose, CA 95120

## Exhibit A

2001-12-11 Ludger Mimberg

1) Describe the invention in four words or less:

Thermal controlled voltage supply

2) List the names (full legal names: First, MI, Last) of all the co-inventors:

Barry Wagner, Mau Lao

3) Who is the lead inventor?

Ludger Mimberg

4) Describe in a short paragraph any Prior Art (previous solution(s) the problem):

I don't know about previous solutions of this problem.

5) Describe in a short paragraph the new invention:

To vary the output voltage of a power supply in regards of the temperature (e.g. the ambient or heat sink temperature) a temperature sensitive device (here a NTC) is used to tune the feedback circuit of the power supply (here a switch mode power supply on a graphic card).

6) List the differences to the Prior Art that makes this invention novel:

2

7) List the product(s) in which the invention was used or will be used:  
The inventioned was used on some NVIDIA NV2x boards

8a) Has the inventor prepared drawings or other descriptions of the invention that were sufficiently specific to enable a person skilled in the art to practice the invention?

This is all I made:

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8b) Is so, when where these completed?

version sent NVIDIA intern via e-mail on 1/3/2001